Expert Advice For the Automobile Owner

Queries and Replies Covering Matters of Importance to the Man Who Runs a Car

What increase in power can I expect by using ether in gasoline and in what proportion is it used to gain the best

The use of ether in fuel will give a slight increase in power, due to the more rapid propagation of the flame. One-half pint of ether for each ten gallons of gasoline is used for this purpose, but it is not recommended, as it is not economical. For getting easier starting a mixture of one-half commercial ether and one-half gasoline is carried in an oil can. This can be squirted into each priming cup for the initial explosions. The can must have a cover on the spout.

How will incorrect wiring affect my

The effect of incorrect wiring on the motor depends on how the wires are misplaced. For instance, if the high tension cables were changed around so that no one of them went to the right plug it would be impossible to run the motor, although an occasional explosion might be obtained. If two or three of the high tension wires were interchanged, but one or more were left on the correct plugs, then the motor would run on the cylinders in which the latter were. Where a dual system is employed the wires of the battery system may sometimes be misplaced without interfering with the operation of the magneto and vice versa. As a rule, however, the changing of the wires will result in the whole ignition system becoming inoperative.

Has a long stroke motor any advantages over a short stroke motor?

Yes, The gas after ignition has greater chance to give up its energy to the piston. A greater volume of gas may be gotten into the cylinder without increasing the bore. This means more power for the same piston speed.

How can I take up the end play in a crank shaft without putting in new

It is best to replace the bearings when end play develops, but if this is not desirable the play can be removed by moving the thrust bearing to one side enough to compensate for the The thrust is taken by the center main bearing, which is easily distinguished by having large flanges on each side. Remove the bolts holding the bearing to the crank case and file out the bolt holes enough to permit the bearing to be shifted. Then replace the bearing and tighten the bolts care-

How will running with retarded spark make the water boil in the radiator?

Operating a motor with retarded spark will cause overheating by retarding and prolonging the combustion of the charge throughout the power of expansion stroke. Thus the cylinder walls are exposed to the action of the burning gases during the whole of the matically lowers the pressure. A gauge stroke instead of only during the time the piston is in the region of upper cate how much go there is in it, bespark is properly set. If the spark is the pressure drop advanced to the point of most efficient : operation the spark will occur some time before dead center and maximum pressure will be reached and the combustion nearly completed just after get for the purpose; also how to put it dead center has been passed. During this time, since the piston is near the top of the stroke, the amount of surface exposed to the exhaust gases is a minimum, and, furthermore, at this point in the stroke the compression is at its height, and combustion takes place with greatest rapidity. Contrast these conditions with what happens when the spark is greatly retarded. Let us assume that ignition occurs when the piston has half completed its stroke. At this point the compression is lower, and combustion is therefore slower and will probably not be completed until after the exhaust valve is important because too thick a facing opens. The hot gases are in contact with hearly the whole of the cylinder wall surface for practically one-half revolution.

But this is not all. When the spark is retarded, as in the instance just | remove the old clutch leather and use mentioned, the motor does not develop full power, therefore for a given load leather it is well to soak it in a neatson the motor the throttle must be opened wider and more gasoline and air must be supplied. The extra heat generated by the combustion of the increased amount of fuel thus adds its share to the already overheated motor.

My car is equipped with electric lights and would like to know if dry batteries would work the head and tail lights. If so, how many and about how many hours would they last?

Dry batteries are not suited for lighting the head and tail lights. This method would be entirely too expensive, as the number of batteries you would require would be great and their life short. Take your storage battery to a battery repair man that you are certain is an expert-if possible take it to a service station maintained by the maker of your battery-and have it examined. It may be that all it needs is an overhauling to make it as good as new. But even if you must buy a new battery it is better to do this than try to use dry cells.

WANT THE SOLDIERS.

HUNTINGTON, July 31 .- Officials of the chamber of commerce have already put out lines which they hope will draw the 1916 encampment of Congress to adopt "Stars and Stripes the West Virginia national guard Forever" and "Dixie" as the official southern companies to Huntington. | marches for the army and navy.

power obtained from the explosion by having the spark plug directly in front of the piston rather than at one side

in a boss or recess?

There are two theories relative to the location of the spark plug in a recess location plug in a recess location plug in a recess location plug in a rec within the cylinder. One is that by their nests in the works of the clock Washington trouble. tion, or, that is, so that the spark plug ly exploded because it gives the flame berlain. rections. Practice favors a plug which has referred it to the public prop-merely has its points projecting into erty committee of the board. the combustion space.

Why do I have difficulty in starting

on my magneto in damp weather? The difficulty you have in starting in ture short circuiting some of the wires, Inspect the wires carefully for any points that might be affected by moisture and see that all the insulation is in good condition.

How will I burn the carbon out of the cylinders of my engine with exygenacetylene flames?

used for burning carbon out of cylinders. Acetylene is of no use for this purpose, but by employing oxygen alone a very satisfactory job can be done. The oxygen is used because it supports combustion five times as readily as air does, and therefore, once the carbon is ignited, it will burn rapidly, although it will not burn at all in air. In cleaning carbon from the cylinders in this manner the first thing to do is to remove the valve caps; then the cylinder is filled with oxygen. A small piece of burning waste is then dropped into the cylinder, and combustion immediately begins in a very vigorous manner. In fact, sometimes the carbon is consumed so rapidly that sparks will fly out of the valve openings, and for this reason it may be advisable to cover the front part of the car with damp cloths to catch these sparks. From this it must not be thought that there is any danger of setting the car afire, because the continued use of oxygen has demonstrated that there is no possibility of this occurring. If damp cloths are not used the most that will happen is a slight marring of the varnish by the sparks. The oxygen is supplied from a tank in which it is stored under very high pressure, and, as the pressure at the delivery nozzle of the outfit must be small, a reducing valve down to a reasonable amount. Therefore between the tank and the tube that carries the gas to the cylinders there is a reducing valve that autois generally fitted to the tank to indi-

I have a leather faced cone clutch and wish to put on a new one. I want to know the best kind of loather I can on. Would asbestos be better than

Either leather or an asbestos fabric may be used with satisfaction. If you use leather you should obtain friction leather, which is made for this pur-

In ordering the facing, the diameters of the two edges of the cone and the width of the cone should be given. If an asbestos fabric is used, care should be taken to obtain a piece that is made for the size of cone you have. Unlike leather, strips of this material to fit cannot be cut from a large piece of fabric. The thickness of the facing will prevent the cone from properly entering the flywheel. One-quarter inch is an average value.

If you desire to buy a piece of leather and cut your own facing you should it for a pattern. Before applying the foot oil to soften it. Care should be taken to cut the leather to the correct length. The best way is to first rivet one end and then wrap the leather around the cone in such a manner that it slips down over the smaller end of the cone. Then pull it tight and rivet the other end. Now push the leather up in place all around and it should be

tight and unwrinkled. The same advice applies to putting on an asbestos fabric, but there is less danger of the facing wrinkling.

Will you explain fully the method of fitting and lapping in new piston rings? Place the cylinders on the bench and apply some ground glass and oil to the interior. The ground glass should be very fine. Then place the piston in the cylinder and work it in and out until the rings are well polished and fit fightly. Lapping is an operation which sequires an experienced man. Furthermore, it is advisable to use an old cylinder wherever possible, as there is danger of wearing the new cylinder.

OFFICIAL MUSIC.

SAN FRANCISCO, Cal., July 31 .-The national convention of music teachers, in session here, will ask

Pigeon Stops Clocks

THE SUNDAY TELEGRAM, CLARKSBURG.

Bird Rests on the Minute And He Dies within Twenty Hand and Mayor Misses Minutes of the Time His Train.

POUGHKEEPSIE, N. Y., July 31.

bustion space itself, the gas is quick-ly exploded because it gives the flame berlain. He in turn passed it on to White, the au a chance to propagate itself in all di- the board of aldermen and that body

Hoodoo

wet weather is probably due to mois- Pursues Two Miners, Who Are Victims of Very Queer

a stage ten feet below the surface, the stage broke away from its fast-places, he lay in the road an hour ening, dropping Pinney down the before he was found. Both men will An oxygen-acetylene flame is never shaft twenty feet, where, after he recover.

Prophesies His Own Death

KINSTON, N. C., July 31 .- Peter POUGHKEEPSIE, N. Y., July 31. KINSTON, N. C., July 31.—Feler The town clock having been put out of commission by pigeons which have chosen the belfry of the First reformed church as their home, results of Popghkeepsie, who for haif century have depended upon the "give up the ghost" on July 20 at

having the spark plug in such a recess a spurt of flame enters the combustion space from the recess and as a result quickly ignites the charge. Another quickly ignites the charge. Another the third was finally when he said theory is that by having the spark plug the center of the combus-directly in the center of the combustion or that is so that the spark plug to Rhinebeck. tion, or, that is, so that the spark plug

The helpless caretaker appealed not wait for Jerry to die. They
points project outward into the comto the chief of police and he refer, hustled him to the county home

White, the authorities say, may have been prompted by Langley's example. He had visions of himself being trolleyed aloft in a golden char-Old age claimed him, doctors

tad turned head down, his buckskin shoe laces caught on a nail and held him until help arrived. Three hundred feet of water would have re-

HAILEY, Idaho, July 31.—Two mining partners, Gus Erickson and Bert Pinney, are certainly pursued by some hoodoo. While working on a stage ten feet below the surface, the stage broke away from its fast.

TAILORING GOOD

Requires Skilful Mechanics, We Have the Best.

Bloch-Parrish Tailoring Co.

LEADING TAILORS

Masonic Bldg.

CLARKSBURG, W. VA.

I. M. P. Amusement Co.

POCKET BILLIARDS, NEW AND UP-TO-DATE BOWLING ALLEYS-CIGARS, TOBACCOS

SODA FOUNTAIN BASEBALL TICKER SERVICE

NOW USING THE FAMOUS SILVER DUCKPINS

339 W. PIKE STREET

Within the next few days we will have on display our complete line of

SUITINGS For Fall and Winter

Don't order your Fall Suit until you see this

Switzer Bros.

GLEN ELK.

Watch This Space.

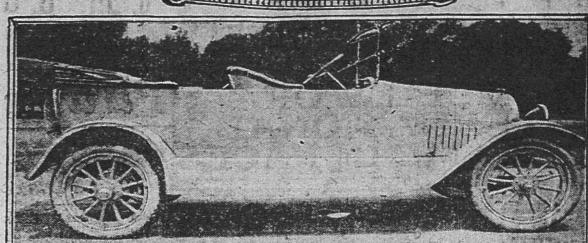
for new prices on

Ford Cars MONDAY, AUGUST 2

Central Auto Co., Clarksburg, W. Va.

Con. Pnone 390

Bell 419-J



We Make and Can Prove the Following Claims for the 1916 Pullman Selling at \$740

It is the handsomest, largest, best equipped, and easiest riding car in AMERICA selling under \$1,000.

It is the most powerful car in AMERICA at the price and will climb any hill on high gear that the average six cylinder car will negotiate.

It gives more miles per gallon of gasoline and per tire than any car in AMERICA at the price.

It offers absolutely the biggest value in AMERICA for the money and

It Is Absolutely the Only Car Built Under \$1,000 with the Following Complete Specifications and Equipment

Gasoline Indicating Gauge.

large six cylinder cars).

Ample Leg Room For Driver.

Set of Tools and Tire Repair Outfit.

Demountable Rims With One Extra.

Speedometer, Robe and Foot Rails.

Largest and Most Comfortable Body Built.

Rear Seat 50 Inches Wide (same width as

35 H. P. Motor.

114-inch Wheel Base.

4-inch Non-Skid Tires All Four Wheels

(guaranteed for 4,000 miles). Genuine Leather and Hair Upholstery.

One Man Top.

Full Floating Rear Axle.

Baked-on Enamel Body Finish. Patented Cantilever Springs.

From Wheeling to Clarksburg On High Gear

William P. Barnhart drove a 1916 Pullman from Wheeling to Clarksburg via Mannington negotiating the ride in what he terms was one of the most pleasant in his 13 years' connection with the automobile business.

The car traveled 86 miles yesterday en route to Clarksburg on three and one-half gallons of gas oline.

Mr. Barnhart is on a factory test trip with a 1916 Pullman so that the engineers will know just what conditions motorists have to contend with in West Virginia.

Thompson Garage Company Distributors for C entral West Virginia.

BRAZILIAN BEEF.

Benefited Chamberlain's Liniment. "Last winter I used Chamberlain's

NEW YORK, July 31.—A shipment of 100 tons of frozen beef from Santos, Brazil, said to be the first consignation of the knees, and can conscientiously say that I never ment of Brazilan beef ever received at a United States port, arrived here today on the steamship Rio de Janeiro.

Obtainable everywhere. Advertise-Argentine beef has been shipped here ment.

TO SHARE PROFITS.

BRIDGEPORT, Conn., July 31,-Notice was given to 3,000 workmer Locomobile Company of America today that profits would be shared with them. The plan is to increase wages proportionately with the increase of product.

This is a regular performance for

TELEGRAM

Clarksburg, W. Va., 1915.

Thermoid Rubber Co., Trenton, N. J.

Won 5-mile free-for-all Handicap with Packard Gray Hound and Nassau Tires at Fair Ground, one-half mile track today. Time, 6:13 3-5 seconds. The Gray Hound is equipped with the same tires she used at Fairmont meet July 5, and she will use them again in Altoona, Pa., meet on August 7th, as they show no preceptible wear. Nassau is a great tire. WILMER MONAHON. (Signed)

Morgantown, W. Va., Clarksburg, W. Va., Buckhannon, W. Va.

Agencies Auto Supply & Repair The Tire Shop. Upshur Garage.

Thermoid Rubber Co., Trenton, N. J.

